

ABSTRACT

The present invention relates to a vertical axis windmill and a wind power generation system, and especially to a vertical axis windmill in which a support frame is provided as wind power dam to
5 form a plurality of shaft-installation sections, a plurality of vertically long blades each of which has a tilted part at the upper and lower ends respectively being disposed in multi-levels to improve wind-receiving rate with increased wind-receiving area and wind-receiving power thereby providing a wind power generator with
10 low installation cost and increased total power generation per a certain area.